

NOTEWORTHY COLLECTIONS

CALIFORNIA

Renewed field and herbarium work on the White Mts. of e. CA and w. NV during recent years has revealed the following CA collections of note:

CAREX PARRYANA C. Dewey var. *HALLII* (Olney) Kukenthal (Cyperaceae).—Mono Co.: Inyo Natl. For., White Mts.: subalpine meadow at Deep Springs Cow Camp, 0.65 mi [1.05 km] s. 10° w. of Station Peak, Deep Springs Valley drainage, 9490 ft [2890 m], 13 Aug 1983, *Morefield 1698* (NY); head of e. branch of s. fork of upper Middle Cr., Fishlake Valley drainage, T2S R33E S4, 11,100 ft [3380 m], 23 Aug 1986, *Taylor 8851* (RSA).

Significance. First CA reports of the species and variety, and an extension for both ca. 190 km sw. from the nearest known site in Nye Co., NV.

DRYOPTERIS FILIX-MAS (L.) H. Schott (Aspleniaceae).—Mono Co.: Inyo Natl. For., White Mts., Cottonwood Cr., Fishlake Valley drainage: 1.4 mi [2.3 km] s. 70° e. of Eva Belle Mine site in Granite Meadow, deep vertical crevices in granite, 9850 ft [3000 m], 2 Aug 1984, *Morefield 2446* (NY, RSA); 1.4 mi [2.3 km] n. 65° e. of Eva Belle Mine site in deep granite crevices, 10,080 ft [3070 m], 10 Jul 1984, *Morefield 2320* (NY); 1.5 mi [2.4 km] nnw. of Station Pk. summit at wall meadow, T5S R35E, se. ¼ of Sect. 10, 8900 ft [2710 m], 31 Jul 1987, *Taylor 9189* (RSA, UC).

Previous knowledge. In CA, known only from a single collection (small scrap) in 1882 from Holcomb Valley in the San Bernardino Mts. (*Parish Bros. 1513*, POM).

Significance. Second known station for CA. The nearest known station of this circumboreal species outside CA is the Flagstaff area of n.-cen. AZ, ca. 560 km to the ese.

MALCOLMIA AFRICANA (L.) R. Brown (Brassicaceae).—Inyo Co.: Inyo Natl. For. White Mts. in Deep Springs Valley drainage, 1.8 mi [2.9 km] due n. of Antelope Spgs. in bed of an old mining road, 6450 ft [1970 m], 25 May 1984, *Morefield 1929* (NY). San Bernardino Co.: naturalized around microwave relay station on nw. side of Kelso Mts., ca. 23 mi [37 km] s. of Baker on Kelbaker Road, 4100 ft [1250 m], 26 May 1983, *Barbe 4087* (RSA).

Significance. First CA reports of this introduced weed. Undoubtedly brought in from NV, where it and several other introductions [such as *Halogeton glomeratus* (Steph. ex Bieb.) C. A. Meyer and *Cardaria pubescens* (C. A. Meyer) Jarm.] are spreading largely unchecked.

MENTZELIA REFLEXA Coville (Loasaceae).—Mono Co.: BLM land, White Mts., Owens Valley drainage at mouth of Coldwater Canyon on calcareous shale talus and scree, T5S R33E S26, 5000 ft [1520 m], 28 May 1986, *Morefield 3700 and McCarty* (BRY, NY, RSA, UC, UCR, and others, to be distributed).

Significance. First report for Mono Co., a disjunct extension ca. 100 km nnw. for a plant otherwise endemic to the Death Valley region.

PENSTEMON BARNEBYI N. Holmgren (Scrophulariaceae).—Mono Co.: Inyo Natl. For., White Mts., Fishlake Valley drainage, moist calcareous gravel along Busher Cr. 0.25 mi [0.4 km] w. of the CA border, T3S R35E, ne. ¼ of nw. ¼ of sw. ¼ of Sect. 17, 5910 ft [1800 m], 3 May 1987, *Morefield 4380 and Turner-Jones* (RSA).

Previous knowledge. Segregated from the *P. miser* complex by N. Holmgren (Brit-

tonia 31:226, 1979) as an endemic of e. and cen. NV, known as far w. as Esmeralda Co. (*A. Tiehm* 7705, RSA).

Significance. First CA collection, and an extension 33 km wnw. from the Silver Peak Range in NV. Also collected in the White Mts. farther e. down the same drainage on the NV side (*Morefield* 4014, RSA). This species should be considered rare and endangered in CA. It is rare in the Busher Cr. drainage, where it is reestablishing after a scouring flash flood on 18 Jul 1984. More plants are likely present farther up the drainage into CA. This canyon apparently is open to livestock grazing, though no recent evidence thereof can be seen. In CA, one also should look for *Penstemon barnebyi* just s. of Busher Cr. in the McAfee Cr. and adjacent drainages, where extensive decaying carbonates provide similar habitats.

POA PATTERSONII Vasey (Poaceae).—Mono Co.: Inyo Natl. For., White Mts., Fishlake Valley drainage, n.-facing s. wall of cirque heading the North Fork of Perry Aiken Cr., ca. 1 mi [1.6 km] ese. of White Mountain Pk., T4S R34E, nw.¼ of Sect. 4, 12,000 ft [3660 m], 24 Jul 1987, *Morefield* 4695.1 and *Ross* (RSA, and others to be distributed).

Significance. First report for CA, an extension of at least 320 km sw. from NV and the Rocky Mts. It was growing intimately with *P. lettermannii* Vasey and *P. suksdorfii* (Beal) Vasey ex Piper, with the latter of which it appears to hybridize, and for both of which it easily can be mistaken in the field.

POTENTILLA CONCINNA J. Richardson var. *DIVISA* Rydberg (Rosaceae).—Mono Co.: Inyo Natl. For., White Mts., Fishlake Valley drainage, protected granitic grus on the ridge ne. of Tres Plumas Meadow, 1.3 mi [2.1 km] s. 55° e. of Tres Plumas benchmark 11,107, 10,400 ft [3170 m], 3 Jul 1984, *Morefield* 2239 (NY, RSA).

Significance. First CA report for the species and variety, and an extension for both ca. 150 km sw. from NV.

RIBES VELUTINUM Greene var. *GOODDINGII* (Peck) C. L. Hitchc. (Grossulariaceae).—Mono Co.: Inyo Natl. For., White Mts., Owens Valley drainage, steep protected marble talus at the mouth of Pellisier Cr., T3S R33E S5, 5900 ft [1800 m], 19 Apr 1986, *Morefield* 3453 and *McCarty* (BRY, GH, MO, NY, RSA, UC, and others). Siskiyou Co.: Klamath Mts. 0.6 mi [1.0 km] n. of Callahan, 50 yds from road in a dry gulch, 3400 ft [1040 m], 28 Jun 1955, *Barbe* 018 (RSA); Lava Beds Natl. Mon. near Fleener Chimneys, ca. 5000 ft [1520 m], 3 Sep 1969, *Thorne et al.* 39015 (RSA); dry hillside along Klamath R. between Shovel Cr. and Fall Cr., ca. 2700 ft [820 m], 15 May 1898, *Applegate* 2126 (RSA).

Significance. First CA reports of this taxon, extending its range ca. 600 km s. from Malheur Co., OR.

SENECIO PATTERSONENSIS Hoover (Asteraceae).—Mono Co.: Inyo Natl. For., White Mts., Fishlake Valley drainage, s.-facing n. wall of cirque heading the North Fork of Perry Aiken Cr., ca. 1 mi (1.6 km) ene. of White Mountain Pk., T3S R34E, se.¼ Sect. 32, 12,200 ft [3720 m], 25 Jul 1987, *Morefield* 4703 and *Ross* (RSA, and others to be distributed).

Previous knowledge. Endemic to the Sweetwater Mts. and adjacent Sierra Nevada (Hoover, Leaf. W. Bot. 3:256, 1943 and 5:60, 1947), and reported as rare from the Wassuk Range of w. NV (Bell and Johnson, *Madroño* 27:30, 1980).

Significance. Disjunct extension ca. 120 km se. for this rare *Senecio*.

STYLOCLINE PSILOCARPHOIDES Peck (Asteraceae).—Representative collections: Inyo Co.: Inyo Natl. For., White Mts., Owens Valley drainage, n. wall of canyon 4 mi [6.4 km] ese. of Laws, T6S R34E S31, 5650 ft [1720 m], 11 Apr 1986, *Morefield* 3389.1 and *McCarty* (RSA and others to be distributed); Panamint Mts.: Pleasant Canyon, 7400 ft [2260 m], 10 May 1906, *Hall and Chandler* 6957 (ARIZ, JEPS, POM, UC,

mixed with and det. as *S. micropoides* A. Gray); Surprise Canyon, 1625 m, 15 Apr 1891, *Coville and Funston 640* (US, det. as *S. micropoides*). Los Angeles Co.: San Gabriel Mts., Mojave Desert slope, ¼ mi [0.4 km] n. of Bob's Gap, 3.5 mi [5.6 km] s. of Llano, n. slope of Holcomb Ridge, ca. 3850 ft [1170 m], 25 Apr 1973, *Thorne 43384 and Wallace* (RSA, det. as *Filago depressa* A. Gray). San Bernardino Co.: Salt Wells Valley, 0.8 mi [1.3 km] w. of CA hwy. 178, 8 air mi [13 km] e. of Ridgecrest, T26S R41E S35, 2300 ft [700 m], 12 Apr 1974, *Holmgren 7749 and Holmgren* (BRY, NY, WTU, det. as *Filago arizonica* A. Gray). Morefield thanks the curators of the herbaria above for loans of material in their care.

Previous knowledge. Widespread in se. OR, sw. ID, w. and s. NV, and sw. UT.

Significance. First reports for CA, where it is frequent throughout the Mojave desert, having passed previously for several other taxa. Use Abrams and Ferris, *Ill. Fl. Pacific States IV*, 1960, to distinguish these and all CA taxa of subtribe Filagininae.

TRIFOLIUM DEDECKERAE J. Gillett (Fabaceae).—Mono Co.: Inyo Natl. For., White Mts., Fishlake Valley drainage, 1.5 mi [2.4 km] nnw. of Station Pk. summit at wall meadow, T5S R35E, se. ¼ of Sect. 10, 8900 ft [2710 m], 31 Jul 1987, *Taylor 9190* (RSA, UC). Inyo Co.: Inyo Natl. For., White Mts., Deep Springs Valley drainage, 3.2 mi [5.1 km] s. 40° e. of Sage Hen Pk. just below Dead Horse Meadow, ne.-sloping granite crevices above Crooked Cr., 7700 ft [2350 m], 26 Jun 1984, *Morefield 2191* (ASC, MICH, MNA, NY, RENO, RSA, UNLV, VDB).

Previous knowledge. Known from one site in Wyman Canyon of the White Mts., and from 6 or 7 isolated sites in the Sierra Nevada farther s.

Significance. First record for Mono Co., an extension 14 km nnw. from Wyman Canyon.—JAMES D. MOREFIELD, Rancho Santa Ana Botanic Garden, 1500 N. College Ave., Claremont, CA 91711-3101; and DEAN WM. TAYLOR, Biosystems Analysis Inc., 303 Potrero St. Suite 29-203, Santa Cruz, CA 95060. (Received 10 Jul 1987; revision accepted 10 Nov 1987.)

NEVADA

ELATINE CALIFORNICA A. Gray (Elatinaceae).—Washoe Co., Pilgrim Lake at the California state line on the Buckhorn Rd. from Duck Flat to Ravendale, T35N R18E S29, ca. 1828 m, 14 Aug 1984, *Tiehm and Schoolcraft 9241* (CAS, NSMC, NY). Locally common on mud flats at the edge of the lake.

Significance. First record for Nevada. Previously known from northern Mexico n. to WA and e. to OR, MT, and UT.

ERYNGIUM ALISMAEFOLIUM E. L. Greene (Apiaceae).—Washoe Co., center of Macy Flat, T47N R21E S32, 1759 m, 22 Jul 1986, *Schoolcraft 1660* (NY), Rye Creek Reservoir, T46N R22E S6, 1654 m, 22 Jul 1986, *Schoolcraft 1661* (UC). Growing on seasonally inundated flats with *Artemisia cana* and near the edge of a reservoir.

Significance. First records for Nevada. Previously known from n. CA to OR and ID.

HACKELIA CUSICKII (Piper) A. Brand (Boraginaceae).—Washoe Co., near California state line at s. end of the Coppersmith Hills, T37N R18E S29, 1889 m, 23 Jun 1986, *Schoolcraft 1636* (NY). Growing under *Juniperus*.

Significance. First record for Nevada. Previously known from Crook and Harney cos. OR s. to Lassen and Siskiyou cos. CA.

LATHYRUS LAETIVIRENS E. L. Greene ex Rydb. (Fabaceae).—Lincoln Co., Clover Mts., Sawmill Canyon, 4 road mi ssw. of the Ella Mt. rd. from Caliente, T5S R67E, 1828 m, 14 May 1987, *Tiehm and Williams 11010* (CAS, NY, RM, RSA). Growing with *Pinus* on talus slopes of rhyolitic rock.

Significance. First record for Nevada. Previously known from n. AZ, s. UT, and w. CO.

OREGON

CRYPTANTHA MICRANTHA (Torr.) I. M. Johnston (Boraginaceae).—Harney Co., Pueblo Valley, 2.6 road mi n. of the state line on highway from Denio to Field and Burns, then 1.6 road mi ne. along a fence line road, T41S R35E S10, 1274 m, 22 May 1987, *Tiehm 11059* (CAS, NY, ORE, OSC, RSA). Growing with *Sarcobatus* in areas of sand on the valley floor.

Significance. First record for Oregon. Previously known from s. CA n. through w. NV to Humboldt Co.

ERIOGONUM BRACHYANTHUM Coville (Polygonaceae).—Harney Co., Pueblo Valley, 0.7 road mi n. of the state line at Denio then 1.8 road mi e. on a rural road, T41S R35E S22, 1274 m, 4 Aug 1987, *Tiehm 11499* (CAS, MARY, NY, ORE, OSC, RSA). Growing with *Sarcobatus* on sand dunes on the valley floor.

Significance. First record for Oregon. Previously known from s. CA n. through w. NV to Humboldt Co.—ARNOLD TIEHM, New York Botanical Garden, Bronx 10458; and GARY SCHOOLCRAFT, BLM, 2545 Riverside, Susanville, CA 96130. (Received 27 Oct 1987; accepted 7 Dec 1987.)

REVIEWS

The Plant-Book: A Portable Dictionary of the Higher Plants. By D. J. MABBERLEY [further subtitle—*Utilising Cronquist's An Integrated System of Classification of Flowering Plants (1981) and Current Botanical Literature, Arranged Largely on the Principles of Editions 1–6 (1896/97–1931) of Willis's A Dictionary of the Flowering Plants and Ferns*], Cambridge University Press, Trumpington St., Cambridge CB2 1RP, England, 1987, xii, 706 pp., ISBN 0-521-34060-8 (hardbound). \$34.50.

Although Mabberley's work is not specifically on Western North American botany, it seems worthy of notice in *Madroño* because it lists almost all the taxa of the region. The book is essentially the real seventh edition of J. C. Willis's *A Dictionary of the Flowering Plants and Ferns* (6 eds. 1897–1931). As is well known, when H. K. Airy Shaw revised Willis's *Dictionary* in 1966 and 1973 (as the 7th and 8th eds. of Willis), to save space he dispensed with much of the general information, for example, common names, definitions of botanical terms, and most of the accounts of economic products and ornamental plants, and in effect turned the work into a nomenclatural dictionary that has, of course, proven to be indispensable. In 1974 F. N. Howes's *A Dictionary of Useful and Everyday Plants and Their Common Names* appeared. This was based on the information expurgated from the 6th, 1931 edition of Willis. Mabberley thoroughly updated this Willis in a comparable-size work that "attempts to present all currently accepted generic and family names and commonly used English names" of extant vascular plants. Economically important plants get very good treatment, for instance, 55 lines for *Eucalyptus*. Most of the families get attention, although there are likely to be omissions for some monotypic or trivial families. Many references are included. Unfortunately, it was not feasible to include a glossary of technical terms, as did Willis (1931). Back matter includes a synopsis of Cronquist's classification system for angiosperms, a bibliography, and lists of abbreviations, including an excellent 46-page list of names of authors. Overall, this is an incredibly valuable effort and should prove to be one of the most useful books published in recent years.—RUDOLF SCHMID, Department of Botany, University of California, Berkeley 94720.